50	100	150	200	250
KCKEKLSTNS	SEKNSLKNKW	WYKNRKKSLG	VVVADDGSKE	DFVSILDCDM
KCKEKLSAHP	SEKNTLKNKW	WYKKRKKRLG	VIVTDDGSQE	DFIGLLDCDM
KCKEKLSanp	SEKNSLKNKW	WYKNRKKYLG	V!VaDDGSQE	DF!qilDCDM
GRKIVEFQII	SNVKKLTLSE	PLPDHVNDFT	VNQKTNYPFE	RNLGLRTAKY
GRKIVEFQIT	SNVKKLVLSD	PLPDHVNDFT	VNQKTHYPFE	RNMGLRLAKY
GRKIVEFQII	SNVKKLtLS#	PLPDHVNDFT	VNQKTNYPFE	RN\$GLRIAKY
YNSNDYELAL KLFEKSAETY	SLDIATQLLL	KDFPKDLVLA	RILDITLACL	KDYGYQLCAV RNLGLRTAKY
YNSNDYQLAL KLFEKSAEIY	PLDIATQLLL	KDFPKDLVLA	AILSITLACL	KDNGFQASAA RNMGLRLAKY
YNSNDY#LAL KLFEKSAEIY	pLDIATQLLL	KDFPKDLVLA	aILdITLACL	KDNG%QacAa RN\$GLRIAKY
	EDKKNSVCDS	AEIRKVELVP	SIIIPTENRS	QKLDIKYVRQ
	KEEKVNVCDS	AEVRAVALVP	SIIVTTENRP	NKLDIRYVRQ
	e#eKnnVCDS	AE!RaVaLVP	SII!PTENRP	#KLDIrYVRQ
1	51	101	151	201
MNTLSQAIKA	YVS	KSITGKKSEN	IKPVNKNIGL	NLLTIVQKYE
MNTLSQAIKA	SVNSAHLSVN	KLLTEKKSEN	IKPEHQHVGL	DLSPIIRQYE
MNTLSQAIKA	SVn	KliTeKKSEN	IKPenqn!GL	#LlpI!rqYE
PMCS	PmCS	PmCS	PmCS	PmCS
PMHAS	PmHAS	PmHAS	PmHAS	PmHAS
Consensus	Consensus	Consensus	Consensus	Consensus

Fig. 1a

300	350	400	450	500
NDPYLIESLP	FSCGNVAFSK	MAYHQEPPGK	LVSIYIPAYN	YGNNPRVRIM
NNASLLESLP	FAAGNVAFAK	MAYHQEPPGK	LVSIYIPAYN	YGNNPRVRIM
N#asLiESLP	FaaGNVAFaK	MAYHQEPPGK	LVSIYIPAYN	YGNNPRVRIM
THNITAEQFL	LRLCDSPFRY	GCFFRVIDGG	IEDSHIHRIP	DNTLEVINKL
TQHIDPKDFL	LRLSDSPFRF	GSFFKTIDGI	IEDSHINRVP	DNTLEVINKL
TqnIdae#FL	LRLCDSPFR%	GCFFrtIDGg	IEDSHINR!P	DNTLEVINKL
VLIGPRKYVD	RLEHFKKTDN	VEFGYRLFAK	VPYIYRKLLP	EVCICNDGST
TIIGPRKYID	RLEQFEKTEN	VEFGYRLFRY	VPYIYRKLLP	EVCICNDGST
tiIGPRKY!D	RLEqFeKT#N	VEFGYRLFak	VPYIYRKLLP	EVCICNDGST
LTELLEDNDI	TSKGNISLDW	EEFNHWGGED	SITLKIVKEK	SALNQTVVDL
VAELLEDDDL	KGEGTVSLDW	EEFNHWGGED	NITLDIMREK	SALNQTVVDL
laELLED#Di	kgeGn!SLDW	EEFNHWGGED	nITLdImrEK	SALNQTVVDL
251	301	351	401	451
APQQLWVHSY	ETATNNNPSI	EWLNKVGWFD	ENETDREAGK	CANYIQRCVD
APNPLWVHSY	EVKTNNSVAA	KWLNKSGFFD	ENETDREAGK	CANYIQRCVD
AP#qLWVHSY	EtaTNNnpaa	eWLNKSGFFD	ENETDREAGK	CANYIQRCVD
PmCS	PmCS	PmCS	PmCS	PmCS
PmHAS	PmHAS	PmHAS	PmHAS	PmHAS
Consensus	Consensus	Consensus	Consensus	Consensus

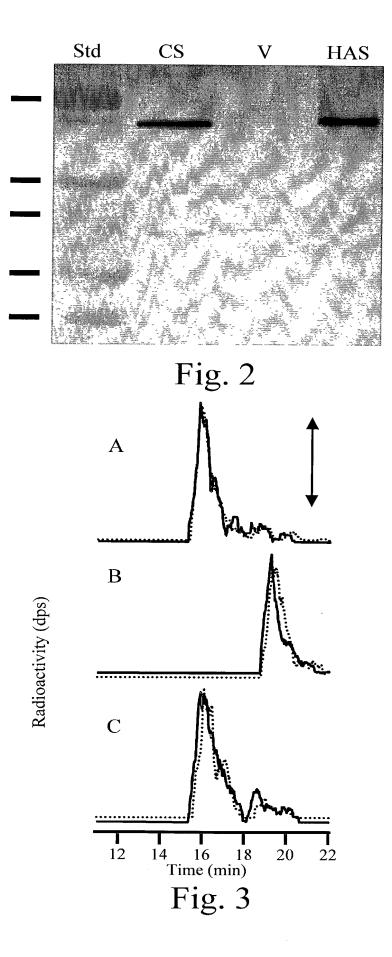
Fig. 1b

550	600	650	700	750
LKEFLKDKTL	RMFTIRAWHL	DNTSIKKLGI	AEYQEEMDIL	FVIILHVDKN
LKEFLKDKTL	RMFTIRAWHL	DNTSIKKLGI	AEYQEEIDIL	FVIVLHVDKN
LKEFLKDKTL	RMFTIRAWHL	DNTSIKKLGI	AEYQEEIDIL	FVI!LHVDKN
YLEPDAVELC	LTTAMIAHHF	KICYNRVLHG	ESRKYI FNKT	NNI IEYNKNI
YLEPDAVELC	LTTAMIAHHF	KICYNRVLHG	ESRKYI FNKT	NNI IEYNKNI
YLEPDAVELC	LTTAMIAHHF	KICYNRVLHG	ESRKYI FNKT	NNI IEYNKNI
YYIGQLDSDD	YNWPEFSREK	SEVGKFKHLN	YNYDKFDDLD	NTLNGLVKKL
YYIGQLDSDD	YNWPEFSREK	SEVGKFKHLN	YNYDEFDDLD	NTLNGLVKKL
YYIGQLDSDD	YNWPEFSREK	SEVGKFKHLN	YNYDeFDDLD	NTLNGLVKKL
SNAAVSFAKG	NPDGSLIANG	AVDYDMFLKL	QSLNRQGINY	AKIAVSIFYP
SNAAVSFAKG	NPDGSLIANG	AVDYDMFLKL	QSLNRQGITY	AKIAVSIFYP
SNAAVSFAKG	NPDGSLIANG	AVDYDMFLKL	QSLNRQGINY	AKIAVSIFYP
501	551	601	651	701
SKPNGGIASA	ACVYTTNRNV	TDGFNENIEN	QKKNHFVVVN	KDLKLIQNKD
SKPNGGIASA	ACVYTTNRNV	TDGFNEKIEN	QKKNHFVVVN	KDIKIIQNKD
SKPNGGIASA	ACVYTTNRNV	TDGFNENIEN	QKKNHFVVVN	KDİKİIQNKD
PmCS	PmCS	PmCS	PMCS	PmCS
PmHAS	PmHAS	PmHAS	PMHAS	PmHAS
Consensus	Consensus	Consensus	Consensus	Consensus

Fig. 1c

800	850	900	950	
HLSNINKLSQ	DWIEKINAHP	IKEVITSCQS	ERKLQWTNEQ	
HLSNINKLSQ	DWIEKINAHP	IKEVITSCQS	ERKLQWTNEQ	
HLSNINKLSQ	DWIEKINAHP	IKEVITSCQS	ERKLQWTNEQ	
TSNRLIKTEA	VGMNFSALTH	YALPHELLTI	KTSTLTYMPW	
TSNRLIKTEA	VGMNFSALTH	YALAHELLTI	KTSTLTYMPW	
TSNRLIKTEA	VGMNFSALTH	YALAHELLTI	KTSTLTYMPW	
ILLNNDISYY ILLNNDISYY ILLNNDISYY	DSYAYMKKYD DSYAYMKKYD DSYAYMKKYD	KGASQGMFMK YALPHELLTI KGASQGMFMT YALAHELLTI KGASQGMFMk YALAHELLTI	LEKKTGHVFN LEKKTGHVFN LEKKTGHVFN	972 TL TL TL
LAFYHKHQVN	DNHDSLFVKN	NDNDLRSMNV	DIWFQFALLI	PVNKFIINSI
LAFYHKHQVN	DNHDSLFVKN	NDNDLKSMNV	DIWFQFALLI	PVNKFIINSI
LAFYHKHQVN	DNHDSLFVKN	NDNDLRSMNV	DIWFQFALLI	PVNKFIINSI
751	801	851	901	951
HLTPDIKKEI	LNLNCEYIIF	PFKKLIKTYF	IDSVPEYNTE	IQSAKKGENI
HLTPDIKKEI	LNLNCEYIIF	PFKKLIKTYF	IDSVPEYNTE	IESAKRGENI
HLTPDIKKEI	LNLNCEYIIF	PFKKLIKTYF	IDSVPEYNTE	I#SAKrGENI
PmCS	PmCS	PMCS	PmCS	. PmCS
PmHAS	PmHAS	PMHAS	PmHAS	PmHAS
Consensus	Consensus	Consensus	Consensus	Consensus

Fig. 1d



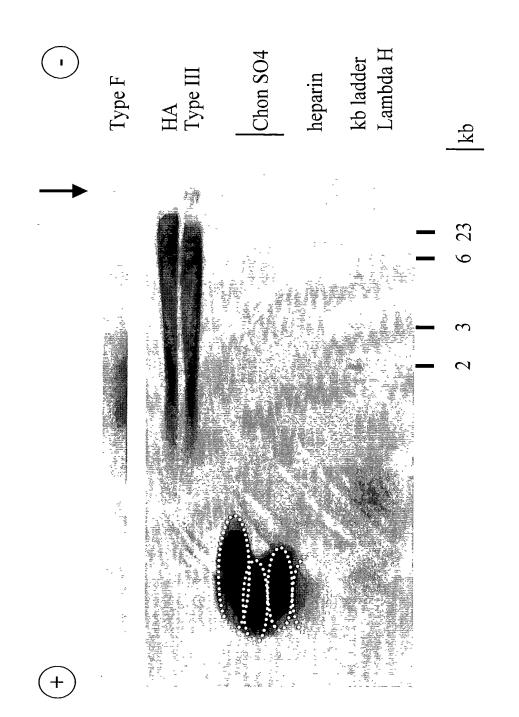
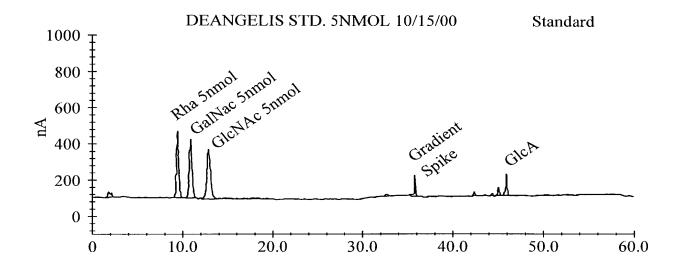


Fig. 4



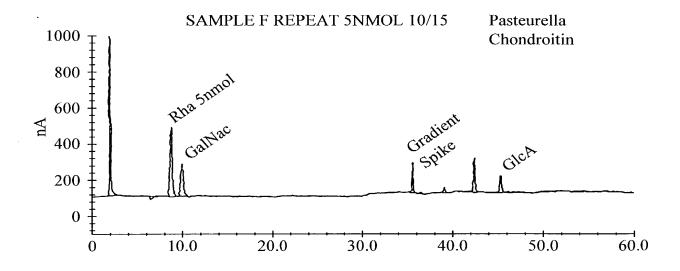


Fig. 5

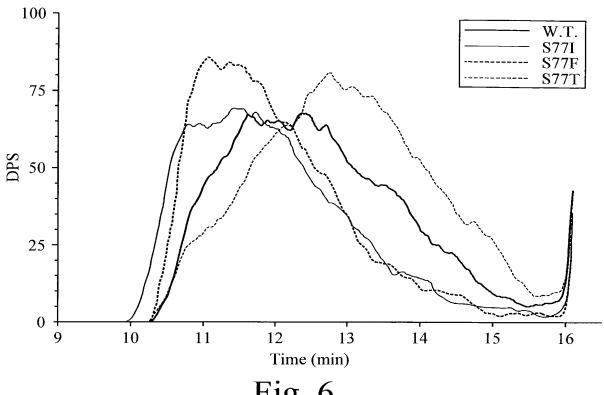


Fig. 6

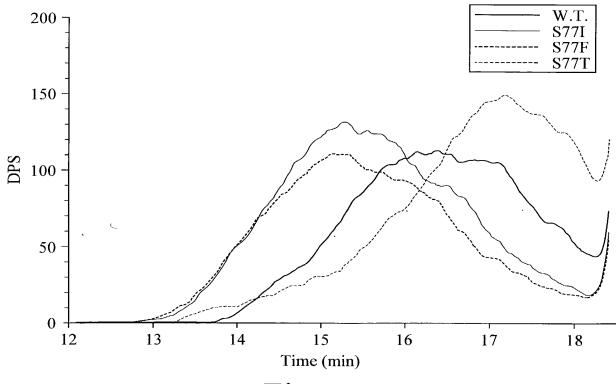


Fig. 7

NMR of Type F Polymer

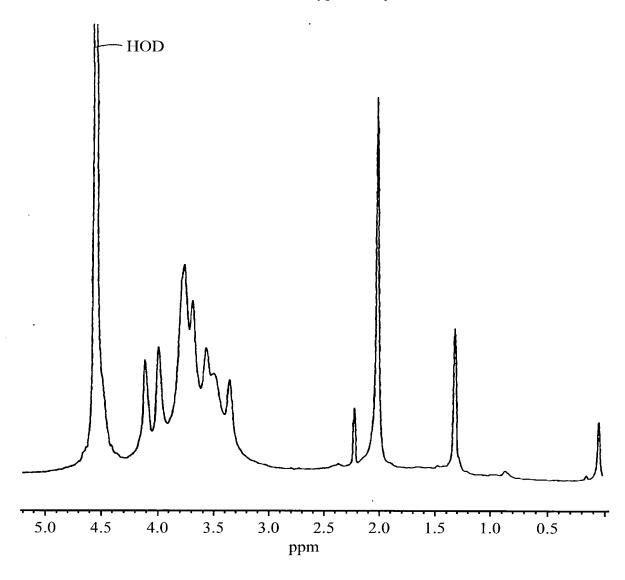
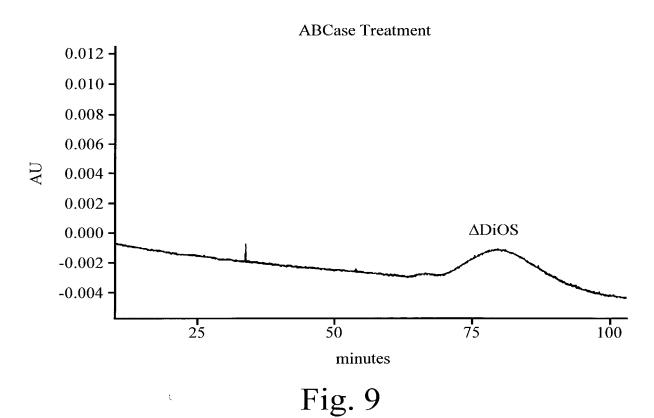


Fig. 8



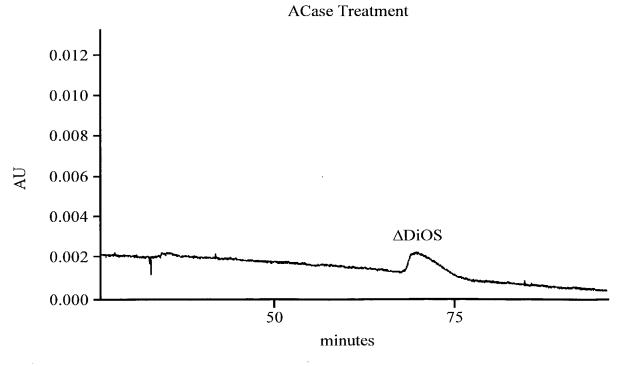


Fig. 10